

ED Web Metadata

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Metadata Scheme & Elements

- Developed in 2000-2001 for new information architecture for www.ed.gov and 100+ ED-funded sites
- Dublin Core with ED-specific extensions
 - ED Programs, Activities & Initiatives
 - ED Office
 - Content Owner
 - Content Date
 - Archive/Update Date/Action
 - Records Management
 - Sensitivity/Privacy
- Predates [dc.audience](http://www.dublincore.org/)

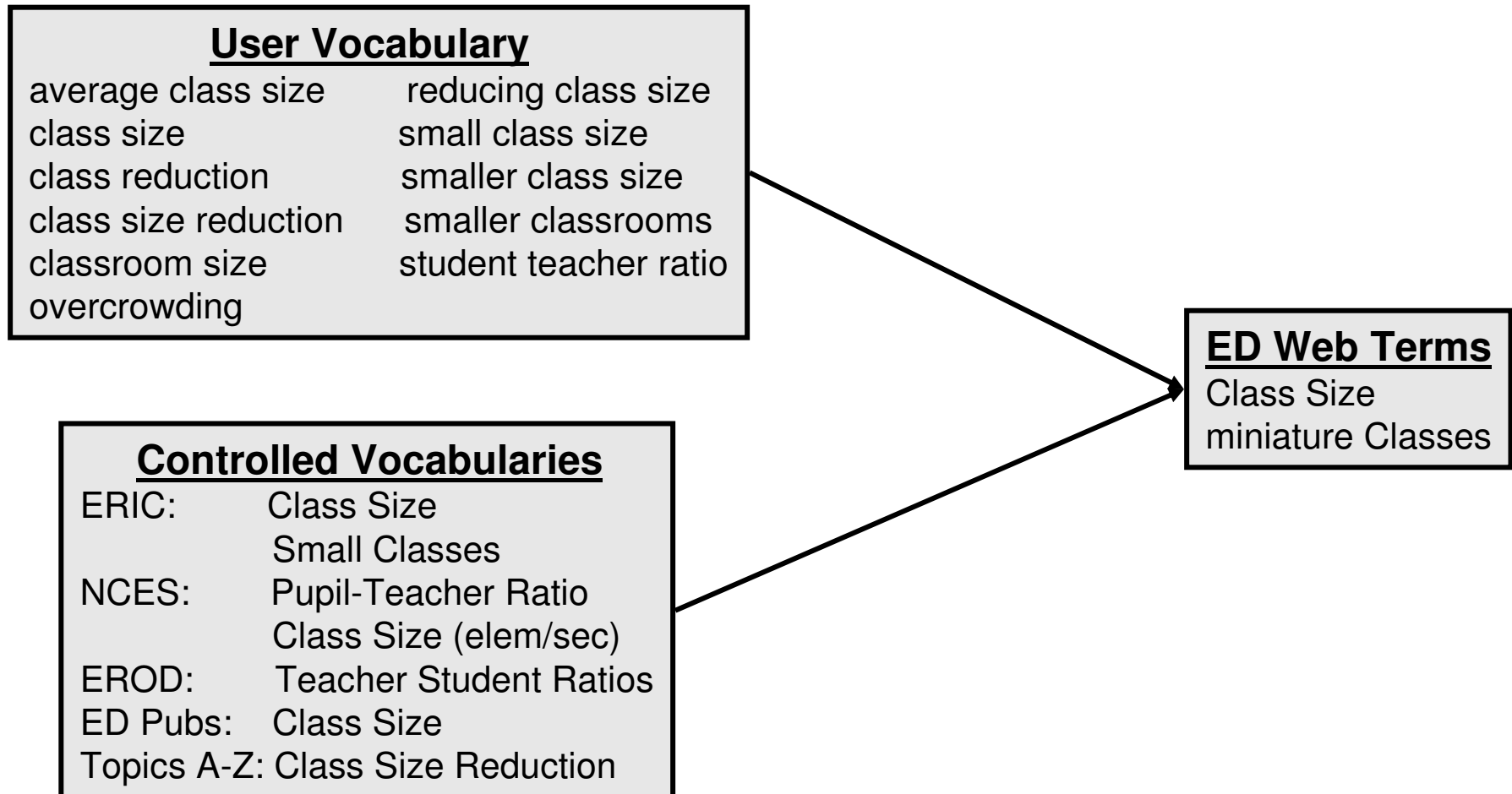
Constructing the Vocabularies

- Analyzed user search terms
- Consulted existing authorities (ERIC, other)
- Mapped terms
- Constructed thesaurus
 - Z39.19 structure
 - non-preferred terms, definitions
- Vetted with ED offices
- Retired unused terms to streamline lists after 1st year
- Ongoing disambiguation, extension

Authorities Consulted

- Search.ed.gov User Query Terms
- ERIC Thesaurus, Identifier Authority List, Target Audiences, Publication Types
- ED Web Information Architecture & Topics A-Z
- ED Pubs On-Line Ordering System
- Education Resource Organizations Directory (EROD)
- Guide to US Department of Education Programs
- ED Internet Customer Survey categories
- OERI: Website Topical Index, Web Policy Group -- Proposed Research Focus Topics, & Publication Plan Database
- NCES: CCD National Public School Locator, College Opportunities On-Line, Digest of Education Statistics, Encyclopedia of ED Stats, and Staff Directory
- A Pilot Standard National Course Classification System for Secondary Education
- AskERIC Topic List
- Reading Pathfinder
- Ted Brandhorst Correspondence with Jim Clemmens re Lab Products
- ED Principal Office suggestions & review
- Eisenhower Math/Science Clearinghouse
- Gateway to Educational Materials (GEM)
- National Center for the Dissemination of Disability Research (NCDDR)
- National Rehabilitation Information Center (NARIC)
- National Institute for Literacy (NIFL)—Adult Literacy Thesaurus & Literacy Information aNd Communication System (LINCS)
- Think College Early Database of Early College Awareness
- Directory of Resources for Foreign Language Programs
- Draft IEEE Standard for Learning Object Metadata
- Dublin Core Metadata Initiative
- Education Network Australia (EdNA)
- International Standard Classification of Education (ISCED) UNESCO Thesaurus
- State of Victoria, Australia -- Dept of Education, Employment, and Training
- Alexandria Digital Library Object Type Thesaurus
- California Environmental Resources Evaluation System (CERES)
- Yahoo and Dmoz Education Subject Directories

Mapping Terms



Term Assignment to Resources

- How metadata is assigned at ED
 - By non-expert content providers with review by non-expert editors
- Tools
 - Content management
 - workflow & metadata form
 - Metadata reference
 - <http://www.ed.gov/admin/reference/index.jsp>
 - Oracle & Term Use queries

Metadata Form

List of Files

/rschstat/eval/other

/ccicfinalreport/ccic

cfinal.pdf

Global Metadata for Files

Help

Click for help-->

Help

Click for detailed help on all form fields.

Use Preferences

No Prefs Found

Use Preferences

Click to pre-populate the form based on your preferences file.

Copy Metadata

Click to Copy-->

Copy Metadata

Click to pre-populate the form already assigned to another file.

Identifier (*)

http://www.ed.gov/rschstat/eval/other/ccicfinalr

Copy Identifier

Enter URL for resource as it will appear on live site. Doublecheck your typing.

Title (*)

=>

Copy Title

Enter concise, unique title. Title will be first line in search results and helps users select relevant resources. Text appears in <TITLE>.

Publication ID

If resource is publication, enter the Publication ID. If a Publication ID is entered, then the Sort Order must also be entered.

Sort Order

Enter the placement of the chapter in relation to others (must be a number > 0).

Creator/Author

Enter full name of creator(s)/author(s). Last name first. Separate multiple entries with semicolons.

Contributor

Enter full name of secondary contributor(s). Last name first. Separate multiple entries with semicolons.

Description (*)

=>

Enter brief description of resource. Description appears in search results under title and helps users

ED Metadata Fields

- **Identifier**
- **Title**
- Publication ID
- Sort Order
- Creator/Author
- Contributor
- **Description**
- **Subject**
- **ED Program/Activity/Initiative**
- Level of Education
- **End User**
- Mediator
- **Resource Type**
- **Format**
- **Language**
- **Content Date**
- **ED Principal Office**
- Publisher
- **Content Owner Email**
- Next Archive/Update Date
- Next Archive/Update Action
- Status
- Rights Management
- Sensitivity/Privacy
- **Verify Entries**

Metadata Uses at ED

- Information architecture (Oracle)
 - Audience/Topic drill-down
 - View all resources (facets)
 - Programs
- Search engine
 - Embedded meta tags to improve relevance/precision
 - Date sort
 - Synonyms
 - “see also” suggestions in search results
- Content management
 - Owner, office, archive/update actions/reminders
- Personalization (discontinued)
- XML export
- Alignment with other ED systems: Asked, EROD, GTEP, EDPubs

Audience/Topic Drilldown

The screenshot shows the ED.gov website interface. At the top, the ED.gov logo is on the left, and the U.S. Department of Education tagline 'Promoting educational excellence for all Americans.' is on the right, next to a stylized American flag. Below the header is a navigation bar with tabs for 'Students', 'Parents', 'Teachers', 'Administrators', and 'Performance Reports'. The 'Parents' tab is selected. On the left side, there is a vertical menu with links: 'Lead & Manage My School', 'Strengthen Teacher Quality', 'Work with Parents & the Community' (which is highlighted), 'Supplemental Services', 'Parents & Families', 'School Choice', 'Financial Aid for Postsecondary Students', 'Find Grants', and 'Recruit Principals'. Below this menu is a 'Quick Click' section with a 'Select a Topic' dropdown. Further down is a 'Search ED.gov' section with a search box and a 'GO' button. At the bottom left is an 'About ED' section with links to 'Offices', 'Publications', 'Budget', 'Jobs', and 'Contacts'. Below that is a 'Press Room' section with links to 'Press Releases' and 'Speeches'. At the very bottom left is a 'Help' section with links to 'A-Z Index', 'Site Map', and 'Technical Support'. The main content area on the right is titled 'WORK WITH PARENTS & THE COMMUNITY' and 'School Choice'. It includes a link to 'Editor's Picks' and a pagination bar showing '1 | 2 | 3 | 4 | 5 | >>'. Below the pagination bar, it says '1 - 10 of 95 Shown' and 'Articles per page 10 | 25 | 50'. There are three filter options: 'View: All | by Category', 'Sort by: Date | Title', and 'Descriptions: Show | Hide'. The first article is 'Charter Schools Resources -- Public Charter Schools Program (Apr 25, 2005)' with a 'new' tag. The description states: 'This page contains Charter School organization links with resources for the for Public Charter Schools program.' The second article is 'National Charter Schools Week Celebration -- Innovations in Education Exchange (Apr 25, 2005)' with a 'new' tag. The description states: 'The National Charter Schools Week Celebration list of events for the week of May 1 to may 7, 2005.' The third article is 'Innovations in Education Book Series (Apr 20, 2005)'. The description states: 'This page list all the Innovations in Education series publication, which focuses on the implementation of the No Child Left Behind Act\'s.' Below the description is a link to 'Microsoft Word document (150KB)'. The fourth article is 'Resources -- Public Charter Schools Program (Apr 11, 2005)'. The description states: 'This page contains links to publications, research, reports, related sites, technical assistance, events notices, or presentations for the for Public Charter Schools program.' The fifth article is 'DC Choice Incentive Program (Apr 05, 2005)'. The description states: 'The program provides scholarships for low-income parents residing in the District of Columbia with expanded options for the education of their children. Households income must not exceed 185 percent of the poverty line. Scholarships may be used to pay tuition, fees and transportation expenses to attend participating District private elementary or secondary schools. In addition, this program will'.

Programs



U.S. Department of Education
Promoting educational excellence for all Americans.



[Students](#) [Parents](#) [Teachers](#) [Administrators](#) [Performance Reports](#)



Programs

- Find Programs
 - Office
 - Title
 - Subject
 - Assistance Type
 - Eligibility
 - Search
 - Archive

OVERVIEW

ED administers programs authorized and funded by Congress. These programs provide financial aid for eligible applicants for elementary, secondary, and college education; for the education of individuals with disabilities and of those who are illiterate, disadvantaged, or gifted; and for the education of immigrants, American Indians, and people with limited English proficiency.

Here you'll find information about each ED program: its purpose, who is eligible to apply, and more.

Feature

ED Programs

Sort programs by subject, title, or eligibility. See the purpose, funding, guidance, and contact for each. [GO >](#)

ED Performance Reports

See performance and accountability reports on ED and its programs. [GO >](#)

**Quick Click**

**Search ED.gov**

[Advanced Search](#)

About ED

- Offices
- Publications
- Budget

Metadata Program Example

The screenshot displays the ED.gov website interface. At the top, the ED.gov logo is on the left, and the U.S. Department of Education tagline 'Promoting educational excellence for all Americans.' is on the right, accompanied by an American flag graphic. Below this is a navigation bar with links for Students, Parents, Teachers, Administrators, and Performance Reports. On the left side, there is a 'Quick Click' sidebar with a 'Select a Topic' dropdown, a 'Search ED.gov' input field with a 'GO' button, and links to 'Advanced Search', 'About ED' (with sub-links for Offices, Publications, Budget, Jobs, and Contacts), 'Press Room' (with sub-links for Press Releases and Speeches), 'Help' (with sub-links for A-Z Index, Site Map, Technical Support, and File Viewers), and 'Recursos en español'. The main content area is titled 'SEARCH Search Results'. It features a search filter section with 'New Search' and 'Search Within Results' (selected) options, each with an input field and a 'GO' button. Below this, the search results are displayed for the query '+dc.type:"Program Home Page" +ed.office:Innovation -ed.status:archived'. The results show 'Page | 1 | 2 | 3 |' and '1 - 10 of 29 Shown'. The 'Results per page' are set to '10', with options for '25' and '50'. The results are sorted by 'Relevance', with options for 'Date' and 'Title'. The 'Descriptions' are set to 'Show', with an option to 'Hide'. The first three results are listed: 'Advanced Credentialing' (dated May 12, 2003), 'Advanced Placement Incentive Program Grants' (dated Jan 06, 2005), and 'Advanced Placement Test Fee Program' (dated Jun 13, 2003). The fourth result, 'Arts in Education Model Development and Dissemination Grants Program', is partially visible at the bottom.

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Students Parents Teachers Administrators Performance Reports

Quick Click
Select a Topic
Search ED.gov
GO
Advanced Search
About ED
• Offices
• Publications
• Budget
• Jobs
• Contacts
Press Room
• Press Releases
• Speeches
Help
• A-Z Index
• Site Map
• Technical Support
• File Viewers
Recursos en español

SEARCH
Search Results

☐ New Search
☒ Search Within Results
GO
[Help with Search](#)

Search Results for: **+dc.type:"Program Home Page"**
+ed.office:Innovation -ed.status:archived

Page | 1 | 2 | 3 |
1 - 10 of 29 Shown Results per page 10 | 25 | 50

Sort by: [Relevance](#) | [Date](#) | [Title](#)
Descriptions: [Show](#) | [Hide](#)

Advanced Credentialing
The Advanced Certification or Advanced Credentialing program authorizes competitive grants supporting activities to encourage and support teachers seeking .. (May 12, 2003)

Advanced Placement Incentive Program Grants
Funds from the program permit states and local educational agencies to give more low-income students the opportunity to take Advanced Placement classes and ... (Jan 06, 2005)

Advanced Placement Test Fee Program
Funds from the Advanced Placement Test Fee program subsidize test fees for low-income students to encourage them to take Advanced Placement tests and .. (Jun 13, 2003)

Arts in Education Model Development and Dissemination Grants Program
The program supports the development, documentation, evaluation, and dissemination of innovative, cohesive models that

SEARCH

Search Results

☐ New Search

☒ Search Within Results

[Help with Search](#)

GO 

Search Results for: **Jobs** | **-ed.status:archived**

Page | [1](#) | [2](#) | [3](#) | [4](#) | [5](#) |

[Next](#) 

1 - 10 of 500 Shown

Results per page **10** | [25](#) | [50](#)

View: [All](#) | [See also](#)

Sort by: [Relevance](#) | [Date](#) | [Title](#)

Descriptions: [Show](#) | [Hide](#)

Job Corps

Learn about Job Corps, a residential education and job training program for at-risk youth, ages 16 through 24. (Feb 15, 2005)

ED and Federal Job Opportunities

Job listings for the Department of Education. (Jul 12, 2001)

Legislation, Regulations, and Guidance -- Grants to States for Workplace and Community ...

This page lists statutes, regulations, legislation, policy guidance, and flexibility provisions for the Grants to States .. (Mar 13, 2003)

Page | [1](#) | [2](#) | [3](#) | [4](#) | [5](#) |

[Next](#) 

1 - 10 of 500 Shown

See Also:

Employment

Employers

Economic Impact

Job Training

Employment Opportunities

Tenure

Education Work Relationship

Personnel

Work Environment

Work Attitudes

Careers

Occupations

Labor Force


Metadata Reference

U.S. Department of Education - Metadata Reference - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Copy Paste

Address <http://www.ed.gov/admin/reference/index.jsp> Go Links



**U.S. Department of
Education
Metadata Reference**

[Audience](#)
[Level of Education](#)
[Resource Type](#)
[Program](#)
[Subject](#)
[Non-Preferred Term](#)
[Teamsite Help](#)
[Term Hierarchy & Use](#)
[Vocabulary XML Reports](#)

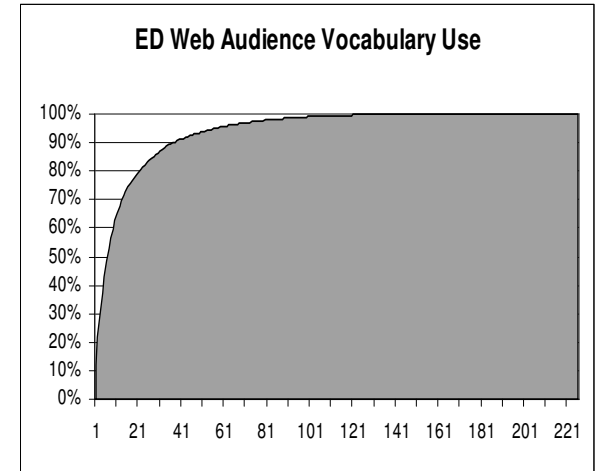
Find Terms

Submit Query

Welcome to U.S. Department of Education Metadata Reference

Trends & Surprises

- Distribution/concentration of term assignments
- Low- and no-occurrence terms
- Content provider weaknesses
 - Misassignment of terms due to ignorance of scope notes, definitions, and term hierarchy
 - E.g., Other Notices, Individuals, Department Heads
 - Weak comprehension of elements beyond subject
 - audience, resource type, level



For More Information

- **ED Web Metadata Reference**
 - <http://www.ed.gov/admin/reference/index.jsp>
- **Element, Vocabulary & Format Definitions**
 - <http://www.ed.gov/internal/EDWebMetadata/index.html>
- **Contacts**
 - Keith Stubbs – keith.stubbs@ed.gov
 - Shelia Hamblin – shelia.hamblin@ed.gov